

## Drug

ID	Last dose	Drug model
imatinib	300.00 mg	ch.tucuxi.imatinib.gotta2012

## Contacts


**Mandator**

**Patient**


	<b>ID</b>	asdf	123456
	<b>Name</b>	Dr. John Doe	Ms. Alice Aupaysdesmerveilles
	<b>Address</b>	Av. de l'Ours 2 1010 Lausanne Vaud Suisse	Av. d'Ouchy 27 1006 Lausanne Vaud Suisse
	<b>Phone</b>	0213140002 (professional)	0216170002 (professional)
	<b>Email</b>	john.doe@chuv.com (professional)	alice.apdm@gmail.com (private)
	<b>ID</b>	456789	123
	<b>Name</b>	CHUV	EHNV
	<b>Address</b>	Av. de l'Ours 1 1010 Lausanne Vaud Suisse	Av. des Bains 34 1400 Yverdon-les-Bains Vaud Suisse
	<b>Phone</b>	0213140001 (private)	987654321 (professional)
	<b>Email</b>	info@chuv.com (professional)	info@ehnv.com (private)

## Clinical data


<b>A note</b>	the content
<b>Room number</b>	404

## Covariates



<b>Age</b>	<b>Value:</b> 32 (patient)	<b>Date:</b> 11.7.2018
Age of the patient, in years		
<b>GIST</b>	<b>Value:</b> No (default)	
Gastrointestinal stromal tumour		

<b>Sex</b>	<b>Value:</b> Undefined (default)	
Sex of the patient		
<b>Total Body Weight</b>	<b>Value:</b> 50.00 kg (patient)	<b>Date:</b> 6.7.2017
Total body weight of patient, in kilograms		
<b>Total Body Weight</b>	<b>Value:</b> 40.00 kg (patient)	<b>Date:</b> 6.7.2018
Total body weight of patient, in kilograms		
 The body weight shall be in the interval [44,100].		

## Treatment

<b>From</b> 1.7.2018 8h	<b>To</b> 6.7.2023 8h
<ul style="list-style-type: none"> <li>● <b>Posology:</b> 600.00 mg (oral), daily at 10h</li> </ul>	
 Maximum recommended dosage reached (400.00 mg)	
<b>From</b> 6.7.2018 8h	<b>To</b> 8.7.2023 8h
<b>Type:</b> continually	
<ul style="list-style-type: none"> <li>● <b>Posology:</b> 300.00 mg (oral), interval 12h</li> </ul>	

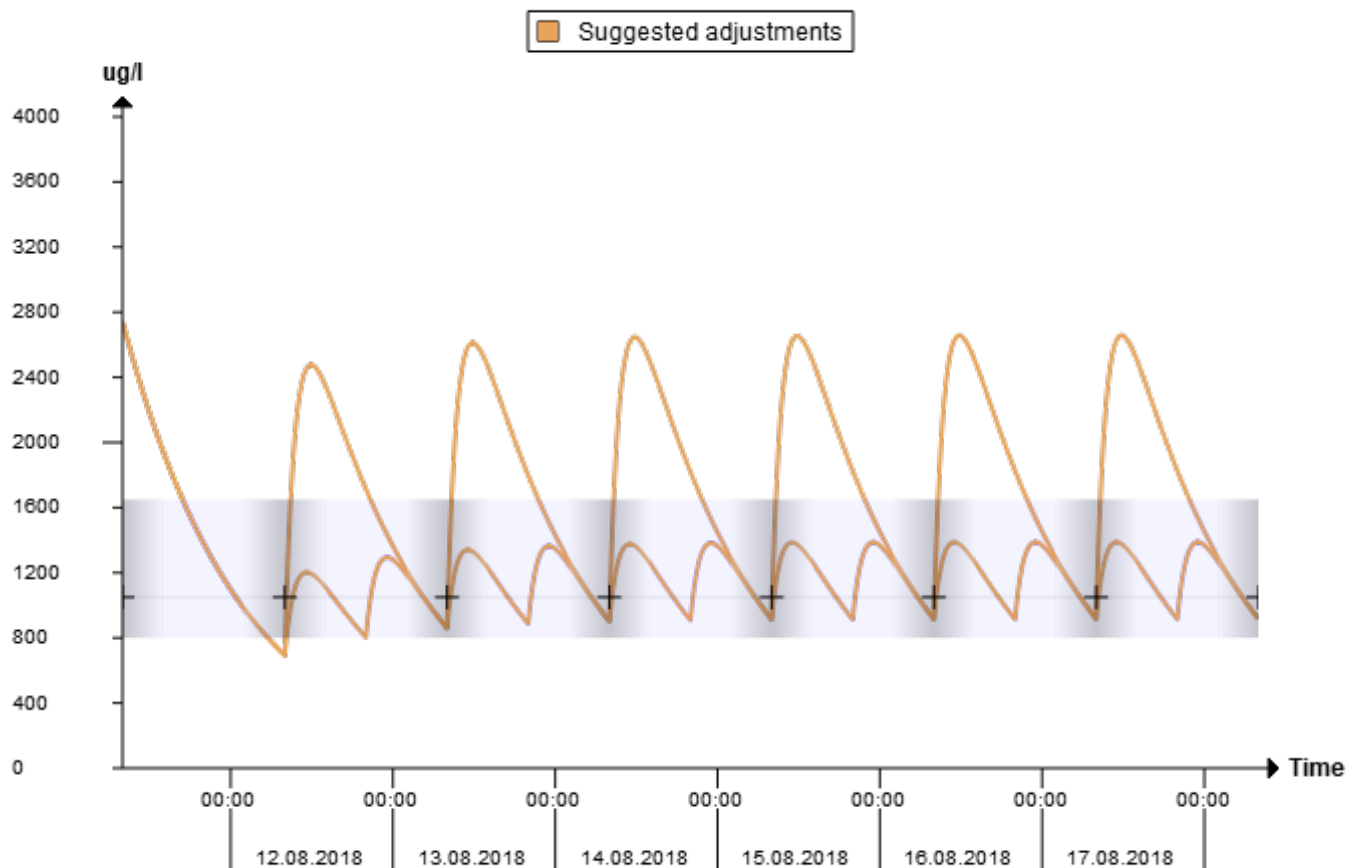
## Samples

<b>Date:</b> 7.7.2018 6h	<b>Measure:</b> 0.7 mg/l	<b>Percentile:</b> 34
<b>Date:</b> 8.7.2018 6h	<b>Measure:</b> 5 mg/l	<b>Percentile:</b> 100
 99% of the population is below this measure		
<b>Date:</b> 9.7.2018 6h	<b>Measure:</b> 2.5 mg/l	<b>Percentile:</b> 92
 91% of the population is below this measure		

Adjustments found

Based on the above information, the following adjustments are relevant to achieve the targets.

Per interval



Displayed adjustments

Score: 0.86 / 1

From: 11.7.2018 8h

To: 12.7.2018 8h

● Posology: 0.00 ug (oral), interval 24h, 1 time(s)

From: 12.7.2018 8h

To: 18.7.2018 8h

● Posology: 300.00 mg (oral), interval 24h, 7 time(s)

Score: 0.86 / 1

From: 11.7.2018 8h

To: 12.7.2018 8h

● Posology: 0.00 ug (oral), interval 24h, 1 time(s)

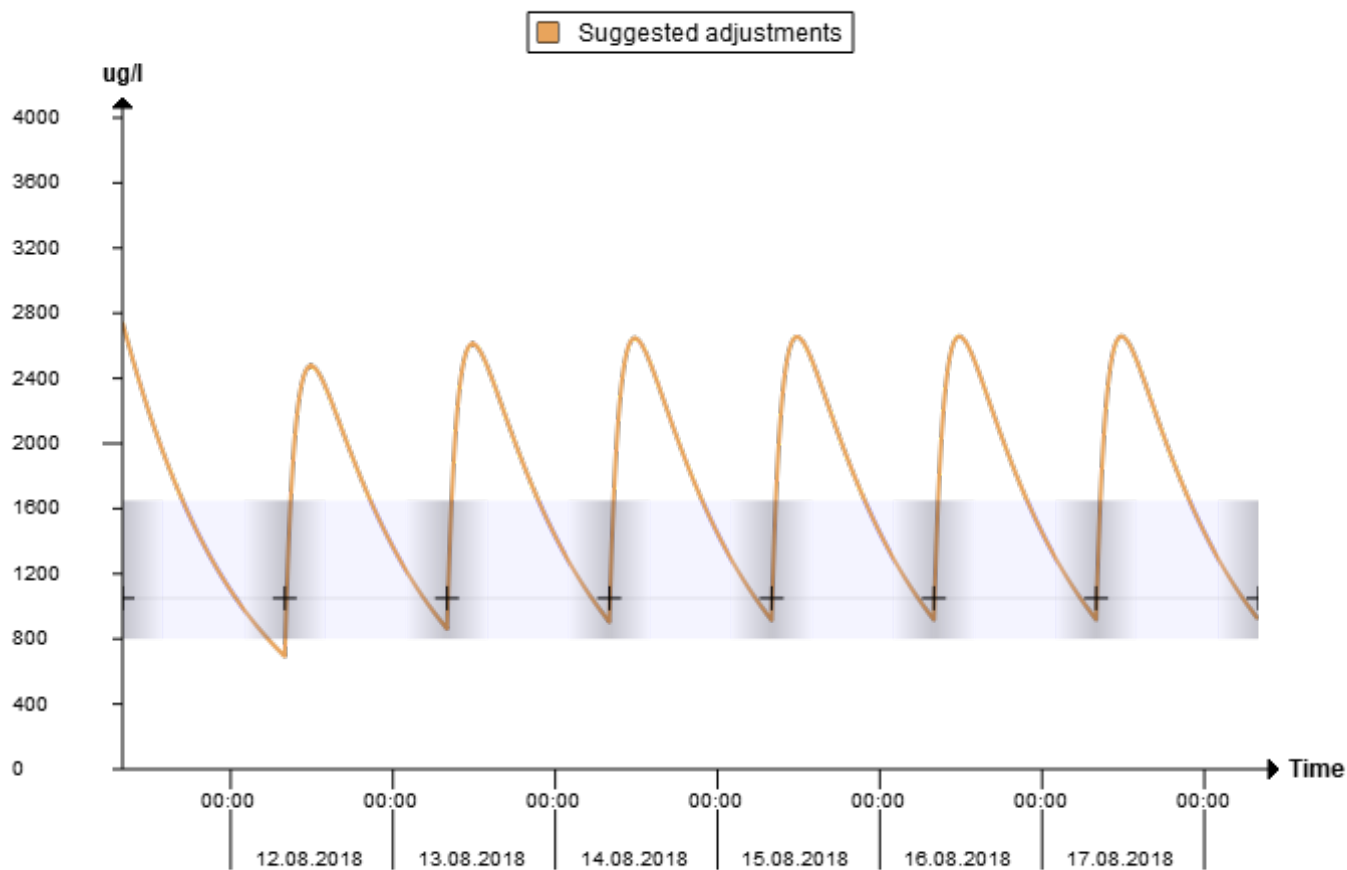
From: 12.7.2018 8h

To: 18.7.2018 8h

● Posology: 100.00 mg (oral), interval 12h, 14 time(s)

Adjustment suggested

Considering the above information, TuberXpert recommends the following adjustment.



Displayed adjustment

Score: 0.86 / 1

From: 11.7.2018 8h To: 12.7.2018 8h

- Posology: 0.00 ug (oral), interval 24h, 1 time(s)

From: 12.7.2018 8h To: 18.7.2018 8h

- Posology: 300.00 mg (oral), interval 24h, 7 time(s)

With the best suggestion, the targets are expected to change as follows.

Type	Value (unit)	Score
● Residual	0.92 (mg/l)	0.86 / 1
Inefficacy: 0 / Min: 800 / Best: 1050 / Max: 1650 / Toxicity: 10000		

Pharmacokinetic parameters

	Typical patient	A priori	A posteriori
● CL	15.11	15.35	6.98
● F	1.00	1.00	1.00
● Ka	0.61	0.61	0.61

● V	347.00	347.00	121.78
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**Predictions**

<b>Extrapolated steady state AUC24</b>	42967.12 µg*h/l
<b>Steady state peak</b>	2657.54 µg/l
<b>Steady state residual</b>	919.02 µg/l

**Covariates used for computation**

Covariate	Value
● Age	28.00
● Total Body Weight	40.25
● GIST	No
● Sex	Undefined